CCE	sipi date. 02/13/2007		100	Sheet	1 of 3
1	Modified Form PTO-1449	Atty. Docket No.		Serial No.	
\checkmark	PE		A-988A		10/591,214
6	CICK OF REFERENCES CITED BY APPLICANT	Applicant			
	1 * \		Akerman et al.		
red	(Use several sheets if necessary)	Filing Date		Group	
FEG	£/		August 28, 2006	Ur	nassigned

U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-	TRANSLAT	CION
 					CLASS	YES	NO
D1	WO 04/092117 A1	28 Oct 2004	PCT				
D2	WO 05/051890 A1	9 Jun 2005	PCT				
D3	WO 05/058848 A1	30 Jun 2005	PCT				_
D1	WO 05/063725 A1	14 Jul 2005	PCT (English Abstract included)			×	(
D5	WO 05/063729 A1	14 Jul 2005	PCT				
D6	WO 05/087710 A1	22 Sep 2005	PCT (English Abstract included)			,	(
D7	WO 06/001092 A1	5 Jan 2006	PCT (English Abstract included)			,	
D8	WO 06/011615 A1	2 Feb 2006	PCT (English Abstract included)			,	(
D9	WO 06/083612 A1	10 Aug 2006	PCT				
D10	WO 06/083781 A1	10 Aug 2006	PCT				

OTHER DOCUMENTS (Including Publisher, Author, Title, Date, Pertinent Pages, Etc.)

C1	Bachmann, et al., "The Synthesis of an Analog of the Sex Hormones", <i>Jnl. Amer. Chem.</i> Soc., 64: 94-97 (1942).
C2	Berthelot, et al., "Synthesis and Pharmacological Evaluation of γ-Aminobutyric Acid Analogues. New Ligand for GABA _e Sites", <i>Jnl. Med. Chem.</i> , 30: 743-746 (1987).
СЗ	Boyle, et al., "Applications of the spiroannulation of tetralins with alkynes; towards new anti- estrogenic compounds", <i>Jnl. Chem. Soc., Perkin Trans. Org. and Bioorg. Chem.</i> , <u>18</u> : 2707- 2711 (1997).
C4	Briscoe, et al., "The Orphan G Protein-Coupled Receptor GPR40 Is Activated by Medium and Long Chain Fatty Acids", <i>Jnl. of Biol. Chem.</i> , <u>278</u> : 11303-11311 (2003).
C5	Briscoe, et al., "Pharmacological regulation of insulin secretion in MIN6 cells through the fatty acid receptor GPR40: identification of agonist and antagonist small molecules", <i>Brit. Jnl. of Pharm.</i> , 148: 619-628 (2006).
C6	Burnop, et al., "Fused Carbon Rings. Part XIX. Experiments on the Synthesis of Tetracyclic Compounds of the Sexual Hormonal Type", Jnl. Chem. Soc., 727-735 (1940).
C7	Chatterjee, et al., "Studies on Nucleophilic Ring Opening of Some Epoxides in Polar Protic Solvents", <i>Tetr.</i> , 33: 85-94 (1977).
C8	Collins, et al., "The Structure and Function of Oestrogens IX. Synthesis of the <i>trans</i> Isomer of 5,5,10b-Trimethyl-4b,5,6,10b,11,12-hexahydrochrysene-2,8-diol", <i>Aust. Jnl. Chem.</i> , 41: 735-744 (1988).

EXAMINER: /Zinna Davis/ (11/17/2009) Date Considered:

EXAMINER: Initial is classiful considered, whether or not obtains is in conformance with MPEP 600, Draw line through obtains if not in conformance and not considered. Include copy of this form with next communication to applicant.

					Sheet 2 of 3			
Modified For	Modified Form PTO-1449			A 000A	Serial No. 10/591,214			
E 400	KOFF	REFERENCES CITED BY APPLICANT	Applicant	A-988A	10/351,214			
Time	M.		-	Akerman et al.	Group			
3 7001	COFFICE	(Use several sheets if necessary)	Filing Date	August 28, 2006	Unassigned			
	<u> </u>			010000000000000000000000000000000000000	b d			
Wro TO	C9	Deb, et al., "A Stereocontrolled Synthesicyclopentane-1,1'(2'H)-naphthalen]- 2 - Chem. Res. S., 12: 406 (1985).	ylacetic Aci	d and its Methoxy A	natogues", <i>Jnl</i> .			
	C10 DeWolf, et al., "Inactivation of Dopamine β-Hydroxylase by β-Ethynyltyramine: Kinetic Characterization and Covalent Modification of an Active Site Peptide", <i>Biochem.</i> , 28: 383 3842 (1989).							
	C11	Egan, et al., "Naphthalenes as inhibitors mechanisms of inhibition", Agents and A	Actions, 29	34, 266-276 (1990).				
	C12	Frey, et al., "Total Synthesis of Pentacyon Chem., 53: 819-830 (2000).						
	C13	Galemmo, et al., "The Development of a Containing Compounds as High-Affinity Variation of the Acidic Side Chain To Gi Chem., 33: 2828-2841 (1990).	Leukotrien ve Antagor	e Receptor Antagor lists of Enhanced Po	nists. 3. Structural otency", <i>Jnl. Med</i> .			
	C14	Chem. Lett., 16: 1840-1845 (2006).	of small molecule GPR40 agonists," Bioorg. and Me					
	C15	Ghosal, et al., "Stereospecific Synthesis Hexahydro-1H-Benz[e]Inden-2-one; An Compounds," <i>Tet. Lett.</i> , <u>17</u> : 1463-1464	Intermedial (1977).	te Towards Physiolo	gically Active			
	C16	Guthrie, et al., "Synthesis in the Series of Atisine," Tet. Lett., 38: 4645-4654 (1966)	3).					
	C17	Haigh, et al., "Non-thiazolidinedione Ant Stereochemistry on the Potency of α -Me Chem., $\underline{7}$: 821-830 (1999).	ethoxy-β-ph	nenylpropanoic Acid	s," Bioorg. & Med.			
	C18	Hares, et al., "Synthetic Studies of Tricy Mimics of Steroid Substrates", <i>Jnl. Cher</i> 1481-1492 (1993).	m. Soc. Per	rkin Trans. I: Org. a	nd Bioorg. Chem., <u>13</u>			
	C19	lizuka, et al., "β-Substituted Phenethyla of Dopamine β-Hydroxylase", <i>Jnl. Med.</i>	Chem., 31:	704-706 (1988).				
	C20	Ishikawa, et al., "Actions of the novel or non-insulin –dependent diabetes mellitu 41: 101-111 (1998).	is model an	imals", Diabetes Rs	h. and Clin. Pract.,			
	C21	Ishikawa, et al., "Effects of the novel ora Metabolism in Diabetic db/db Mice," Arz	neim. Fors	ch. Drug Rsh., 48 (I): 245-250 (1998).			
	C22	Itoh, et al., "Free fatty acids regulate ins GPR40," Nature, 422: 173-176 (2003).						
	C23	Johns, et al., "Total Synthesis of Estraje						
	C24	Kolasa, et al., "Symmetrical Bis(heteroa of Leukotriene Biosynthesis," Jnl. Med.	Chem., 43:	3322-3334 (2000).				
	C25	Kotarsky, et al., "A human cell surface r thiazolidinedione drugs", Biochem. and	Biophys. R	sh. Comm., 301: 40	6-410 (2003).			
	C26	Kuchar, et al., "Benzyloxyarylaliphatic A Structure and Antiinflammatory Activity" 2524 (1982).	cids: Synth	esis and Quantitativ	e Relations Between			

EXAMINER:	/Zinna Davis/ (11/17/2009)	Date Considered:
EXAMINER: Initial if citat		09; Draw line through citation if not in conformance and not considered. Include copy of this form with next

					Sheet	3	of	3		
Modified For			Atty. Docket No.	A-988A	Serial No		91,214			
F MAS	OF F	REFERENCES CITED BY APPLICANT	Applicant	Akerman et al.						
3 700	(Option	(Use several sheets if necessary)	Filing Date	August 28, 2006	Group	Unass	igned			
N. C.	<i>5</i> /									
ENT & TRACE	C27	Kuchar, et al., "The Effects of Lopophilic Albumin and on the Activation of Fibrino Benzyloxyarylaliphatic Acids", Collection	lysis Obser Czech. Ch	rved with a Series on em, Commun., <u>48</u> :	f 1077-1	088 (1983)).		
	C28	Lin, et al., "The Discovery of Acylated β- VLA-4 Antagonists," Bioorg. & Med. Che	em. Lett., <u>1</u>	2: 611-614 (2002).						
	C29	Liu, et al., "Synthesis and Biological Acti Reduced Molecular Weight", <i>Bioorg. & I</i>	vity of L-Ty Med. Chem	rosine-based PPAF Lett., 11: 3111-31	Rγ Agor 13 (200	iists v)1).	vith			
	C30	Nilsson, et al., "Identification of a free fa and activated by short-chain fatty acids, 1052 (2003).	tty acid rec " <i>Biochem</i> .	eptor, FFA ₂ R, expre and Biophys. Rsh.	essed of Comm	on leul un., <u>3</u>	<u>03</u> 10	es)47-		
	C31	Oliver, et al., "A selective peroxisome pr reverse cholesterol transport", PNAS, 98	3: 5306-53°	11 (2001).						
	C32	Poitout, V., "The ins and outs of fatty acids on the pancreatic β cell", <i>Trends in Endocrin.</i> and Metab., 14: 201-203 (2003).								
	C33	Ray, et al., "Synthesis of Some Angular Hydrofluorene Derivatives by Acid-Catal Unsaturated g'-Diazomethyl Ketones", S	yzed Intrar	nolecular C-Alkylati	on of γ,	δ-	ne ar	nd		
	C34	Sandberg, et al., "N-Aminoalkylsuccinim Suecica, 17: 169-176 (1980).								
	C35	Sanyal, et al., "A Novel Synthesis of a T Related to Gascardic Acid," Tet. Lett., 2	ricyclo (7.5 25: 2187-21	i.0 ^{1,5} .0 ^{1,9}) Tetraded 190 (1978).	ane Ri	ng Sy	stem			
	C36	Sarma, et al., "Synthetic Studies on Ter of (±)-1,2,3,4,4a,9,10,10aα-Octahydro-1 and the 7-Methoxy Analogue: A Potenti Chem. Soc. Perkin Trans. I: Organic ar	penoids. P a-methylph al Intermed ad Bioorg. (Parts XVIII. ^{1,2} Sterec nenanthrene-1β,4aβ diate for Diterpenoic Chem., <u>7</u> : 722-727 (3-dicart 3 Synth (1976).	oxylic eses"	acid , <i>Jnl</i> .	l 		
	C37	Sawzdargo, et al., "A Cluster of Four No Occurring in Close Proximity to CD22 G Biophys. Rsh. Commun., 239: 543-547	ovel Human ene on Chi (1997).	G Protein-Coupled romosome 19q13.1	Recep ", <i>Bioch</i>	nem. a	and			
	C38	Shaw, et al., "Enantioselective Synthesis 5081-5084 (1990).	s of (+)-(2S				tt., <u>31</u>			
	C39	Shiotani, et al., "Synthesis of 1,3-Bridge benzazocine Derivatives1" Chem. Phan	d 1,2,3,4,5 m. <i>Bull.</i> , <u>2</u> 8	,6-Hexahydro-2,6-n : 1928-1931 (1980)	nethano) - 3-				
	C40	Waid, et al., "Constrained Amino Acids. Prolines." Tet. Lett., 37: 4091-4094 (199	An Approa			ubstit	uted			

EXAMINER: /Zinna Davis/ (11/17/2009)

Date Considered:

EXAMINER initial if citation considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.